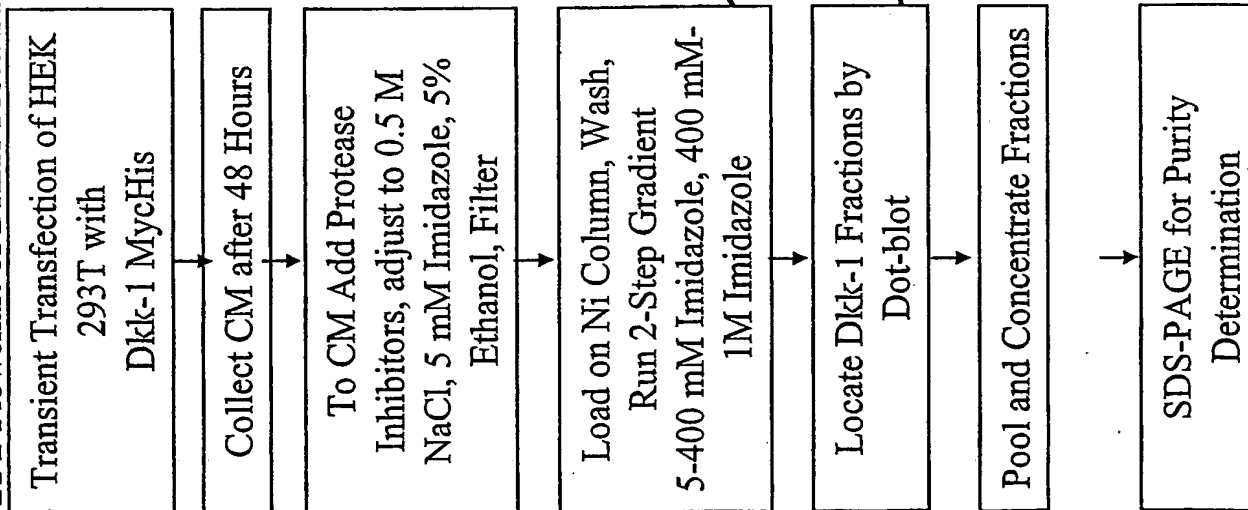
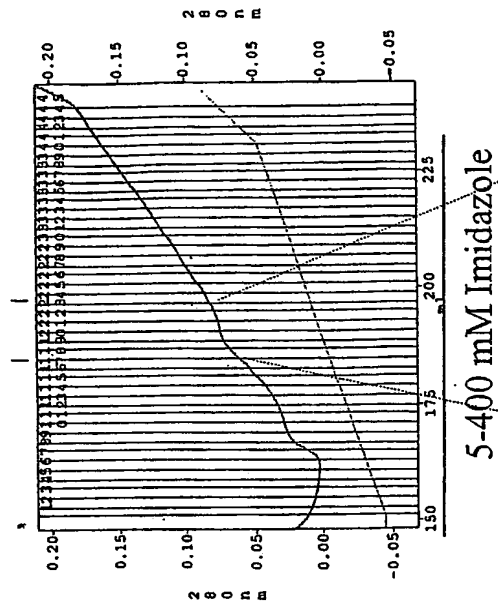


1A Flowchart of DKK1 Protein Purification



1B

Ni Column profile



1C



FIG. 1

Glycosylation of Dkk1
Western Assay of Dkk1
versus His Ab (R&D)

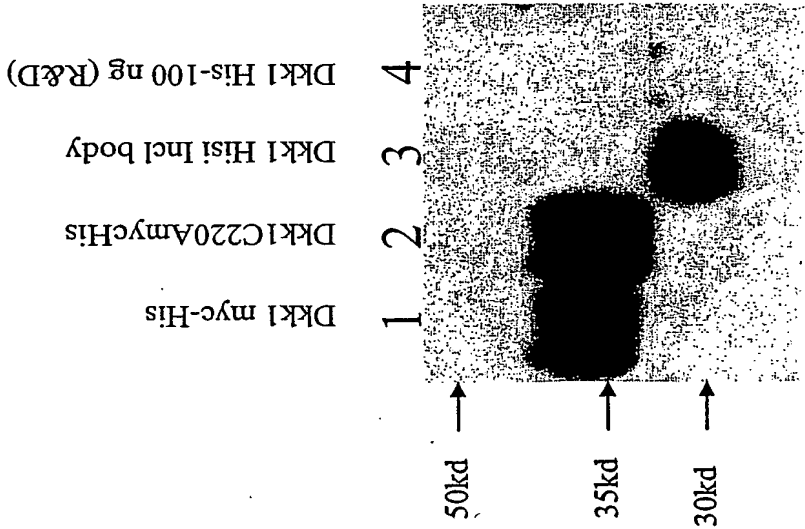


FIG. 2

Inhibition of Wnt3A Activity by Dkk1

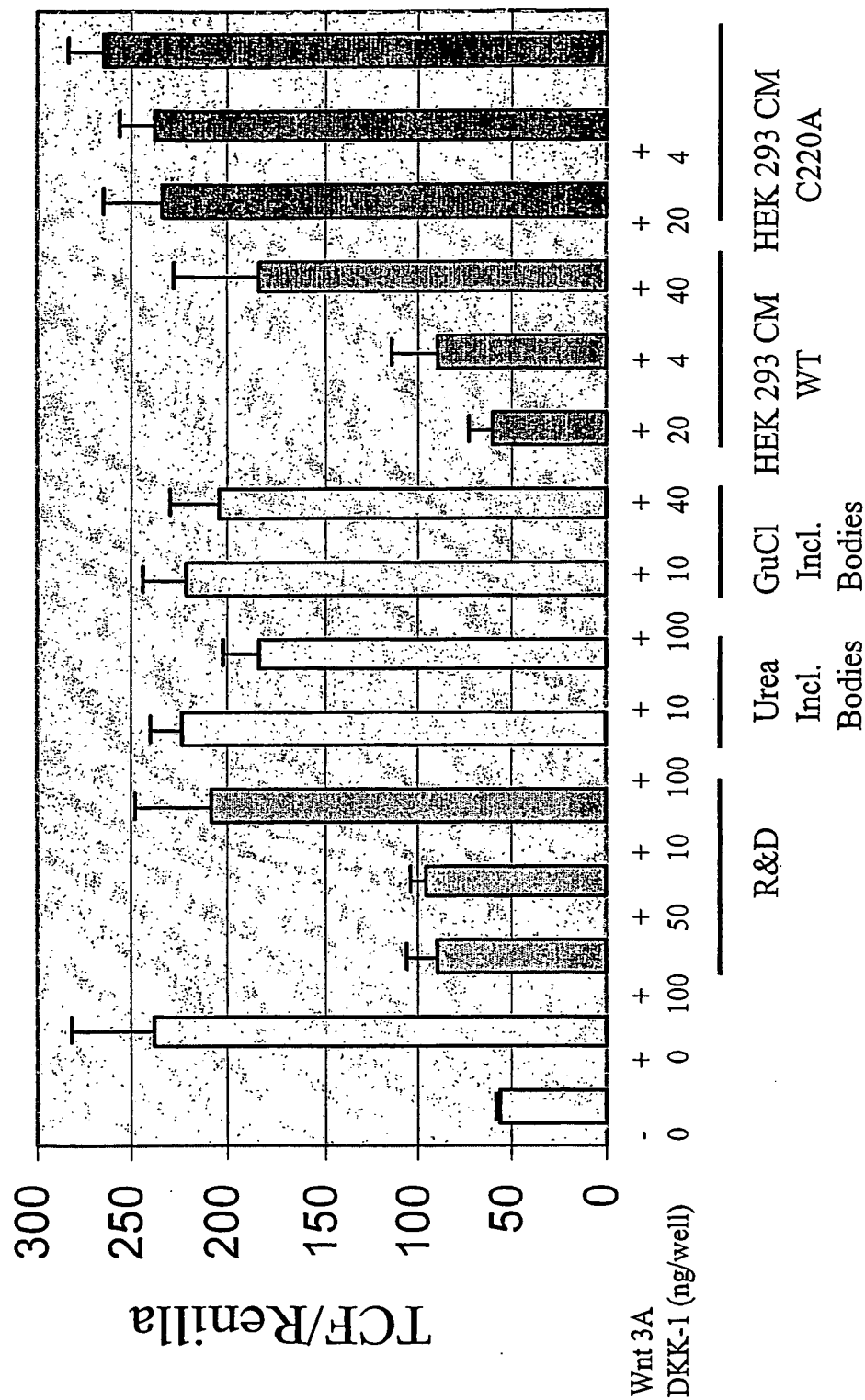


FIG. 3

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Activity of Purified DKK1 in TCF Assay

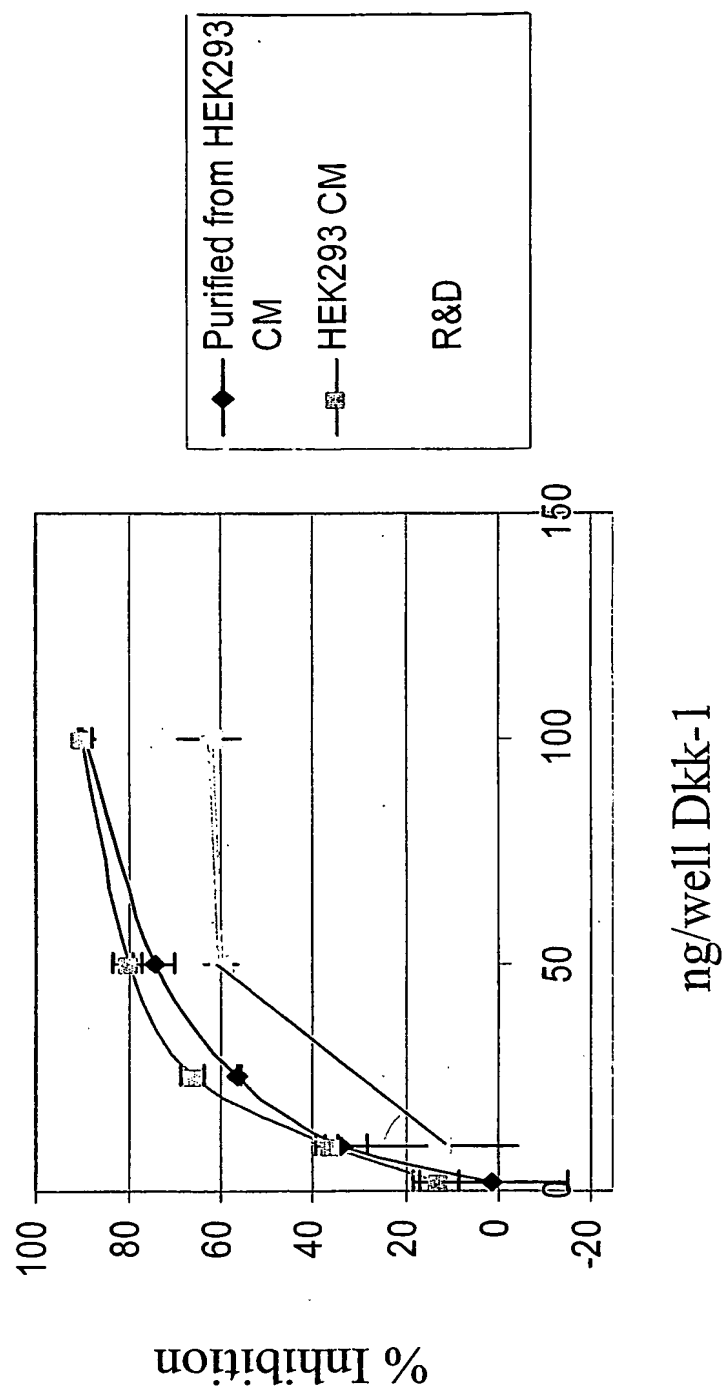
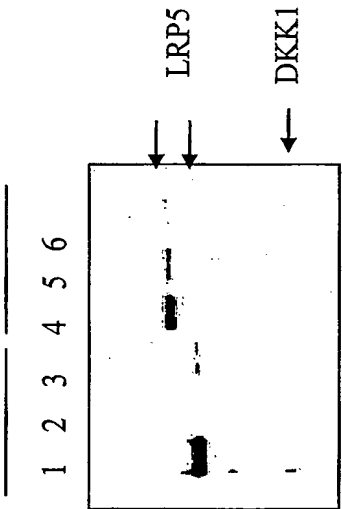


FIG. 4

Co-Immunoprecipitation of LRP5
with Purified DKK1MycHis

DKK1MycHis	wt	-	-	wt	-	-
LRP5V5His	prop3,4	ECD				



Using purified protein Dkk-1MycHis Co-IPs LRP5
prop3,4 Or ECD

FIG. 5

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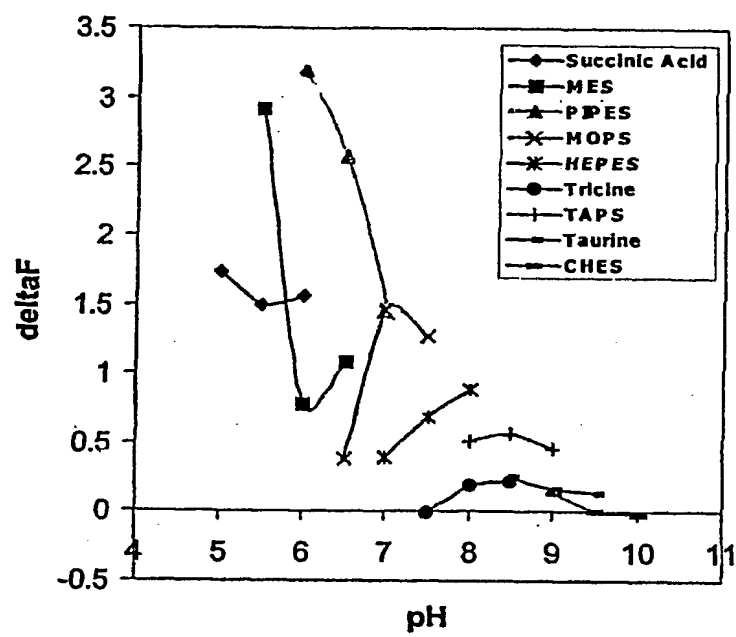


FIG. 6

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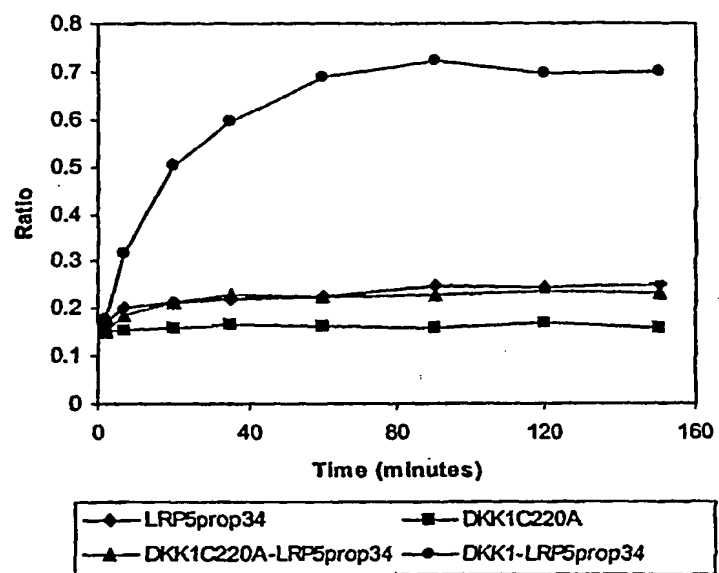


FIG. 7

Co-IP of LRP5 with DKK1

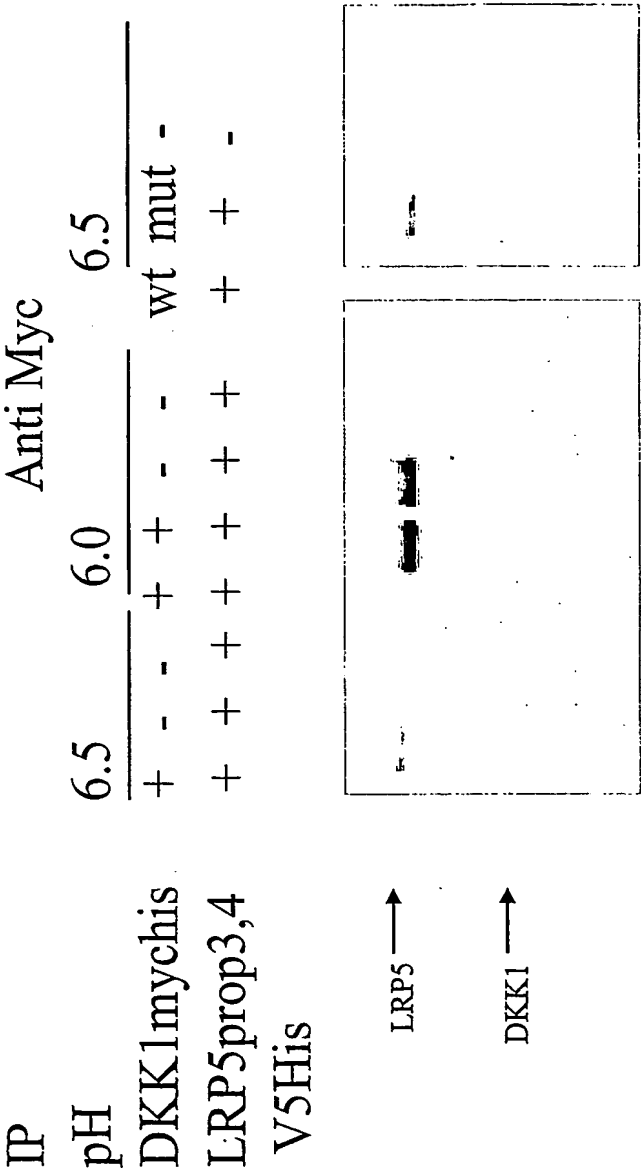


FIG. 8

Competitive Assay with Untagged Dkk-1 from R&D Systems

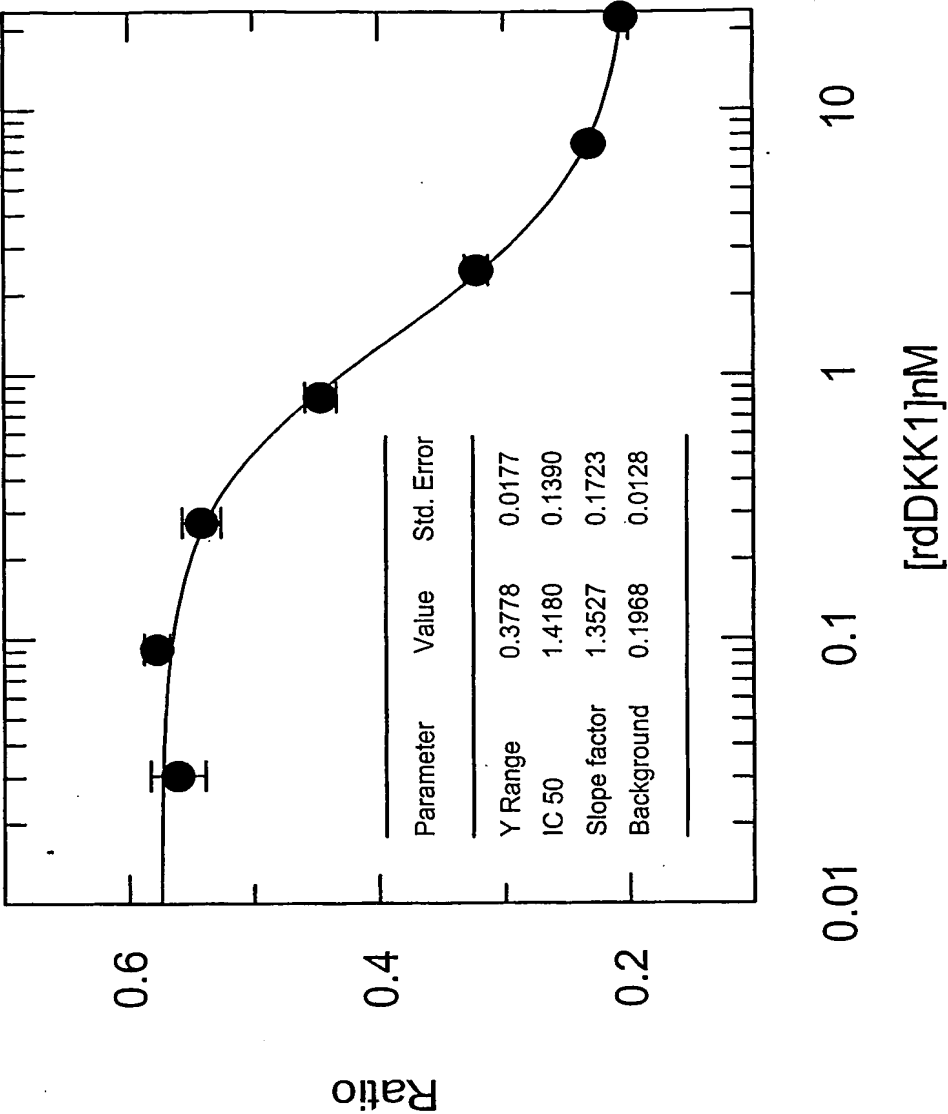


FIG. 9

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Dkk1 C-terminal 21 amino acids are necessary in addition to c220 amino acid in the 2nd cys-domain for Wnt-TCF inhibition

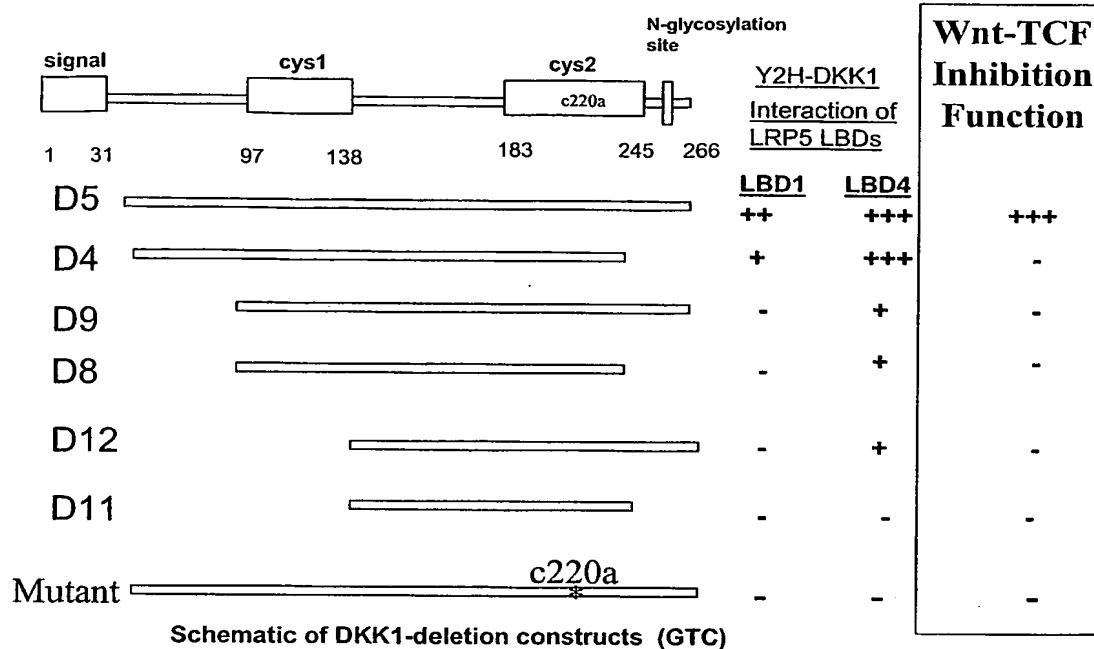


FIG. 10

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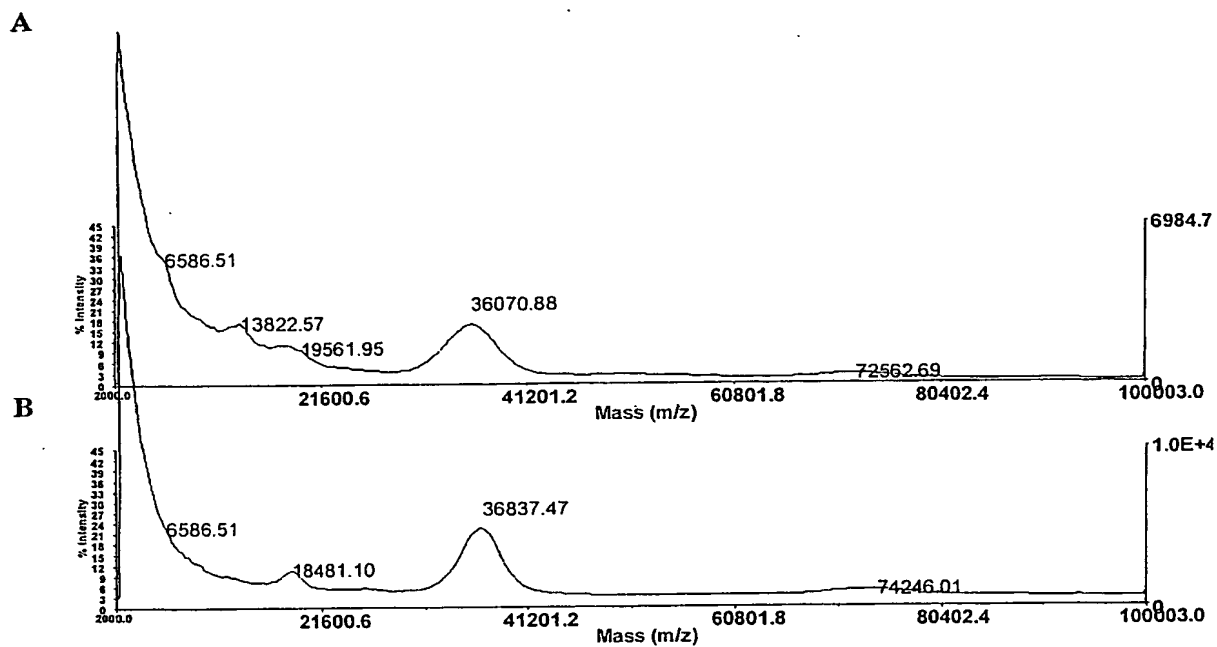


FIG. 11

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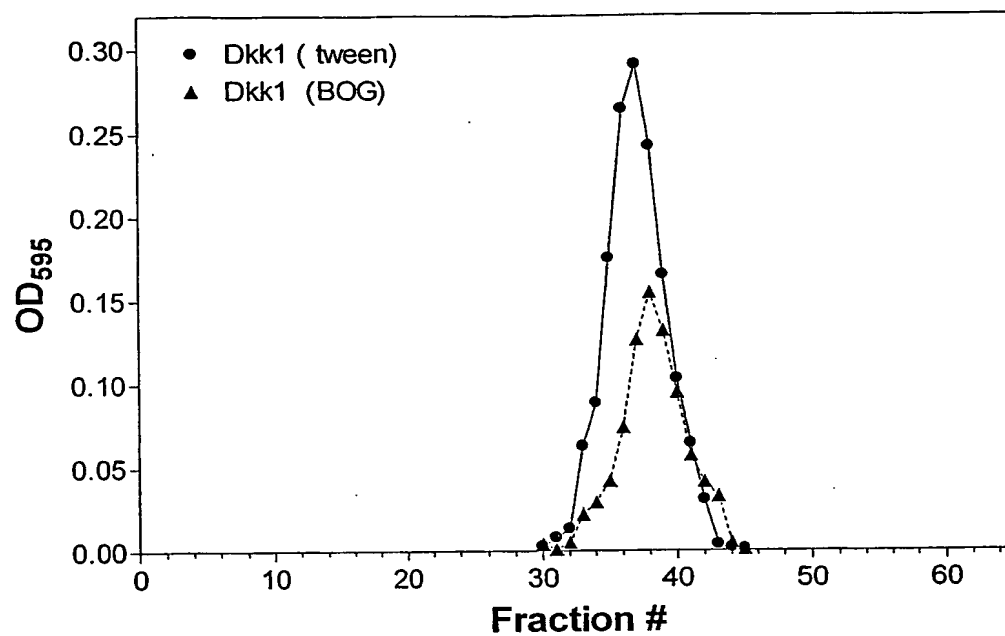
Superose 12 Chromatography of Dkk1

FIG. 12

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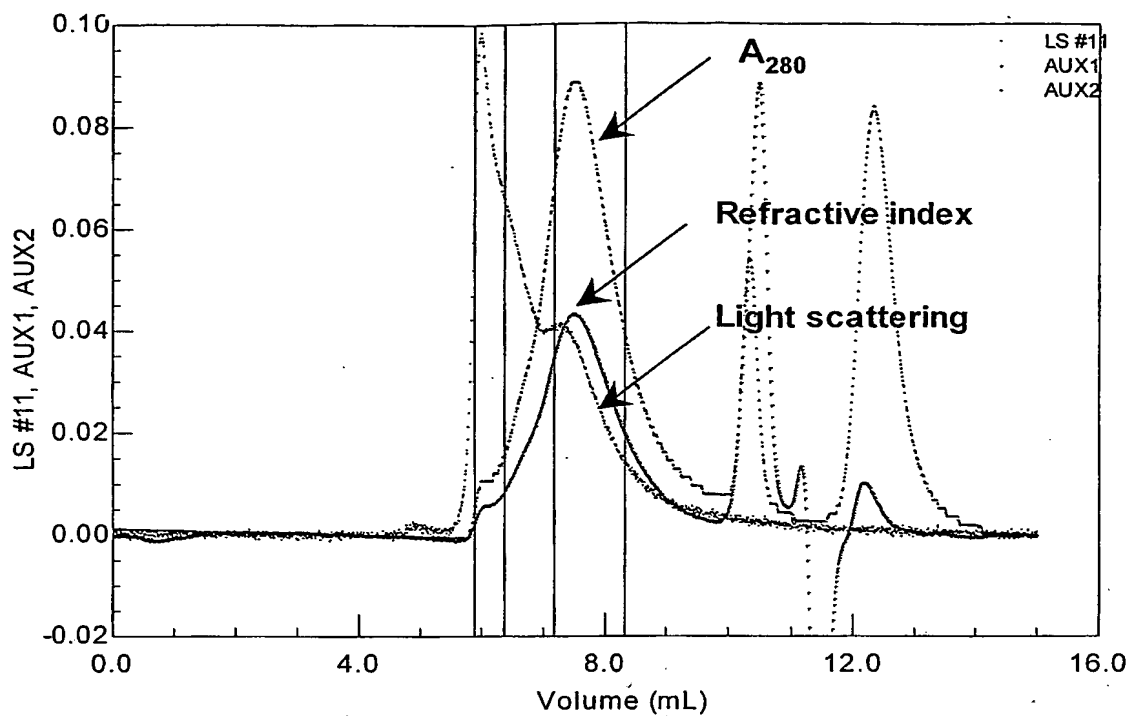


FIG. 13A

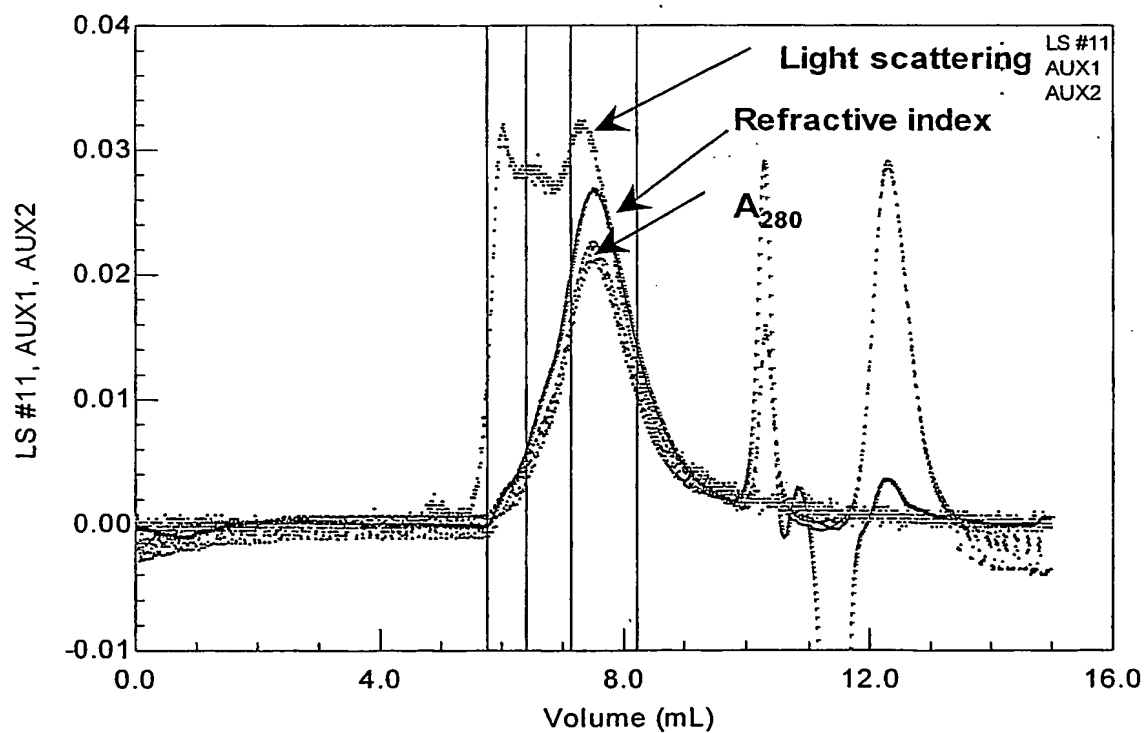


FIG. 13B

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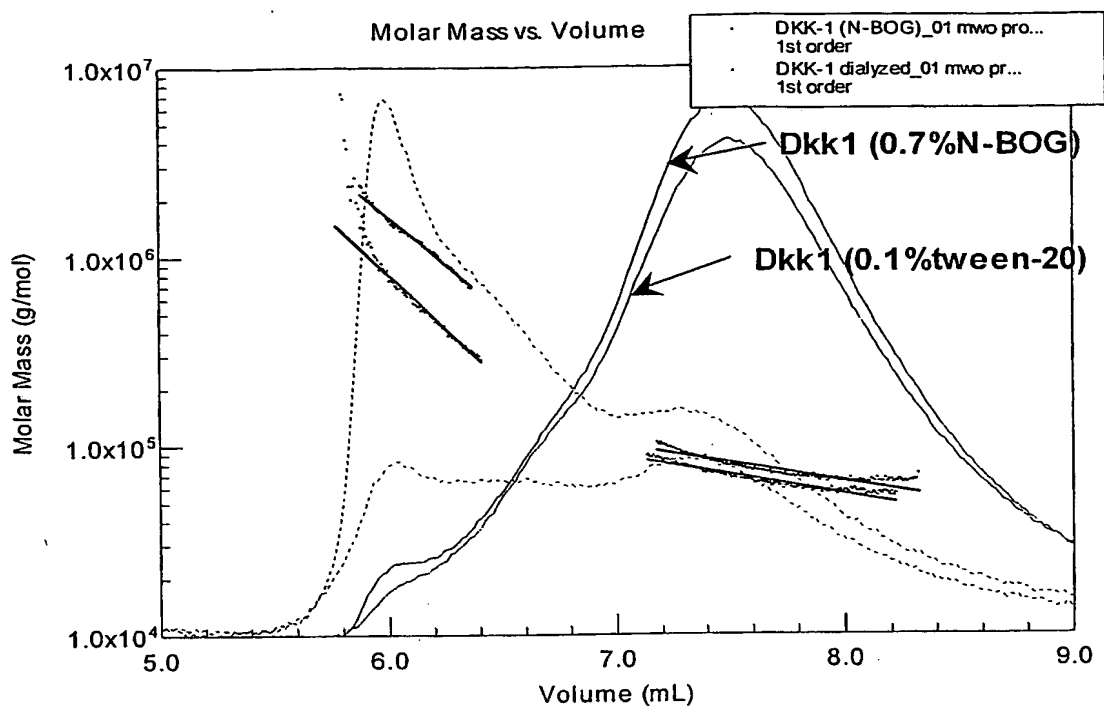


FIG. 13C

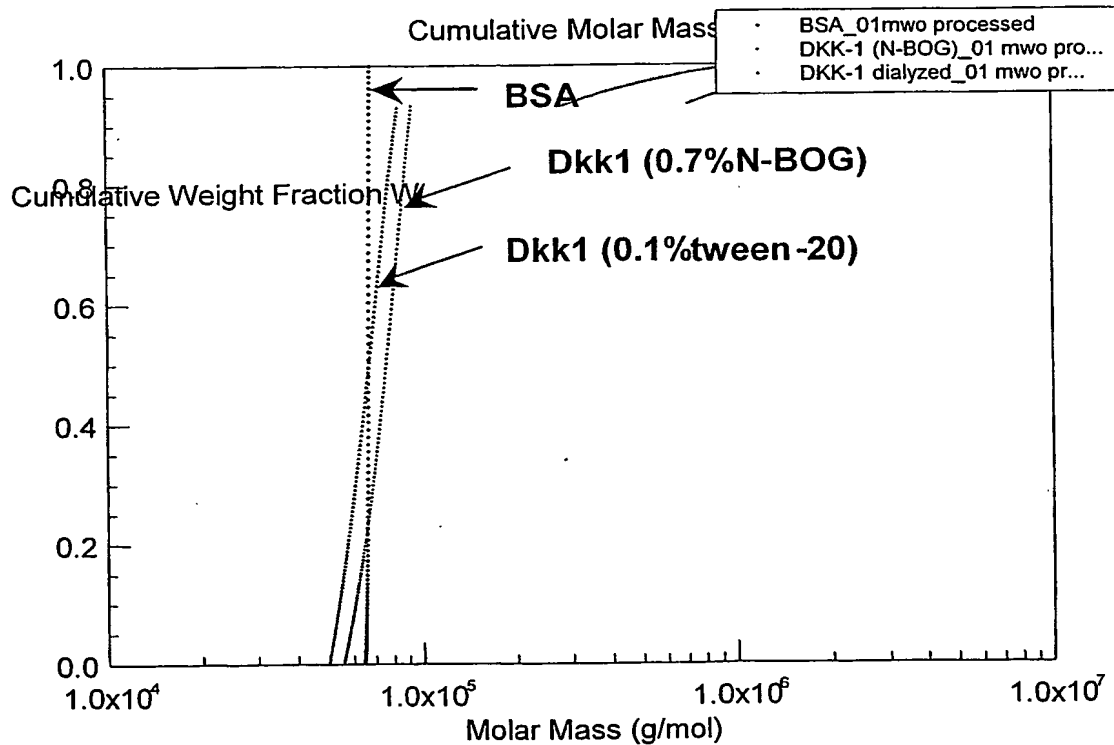


FIG. 13D

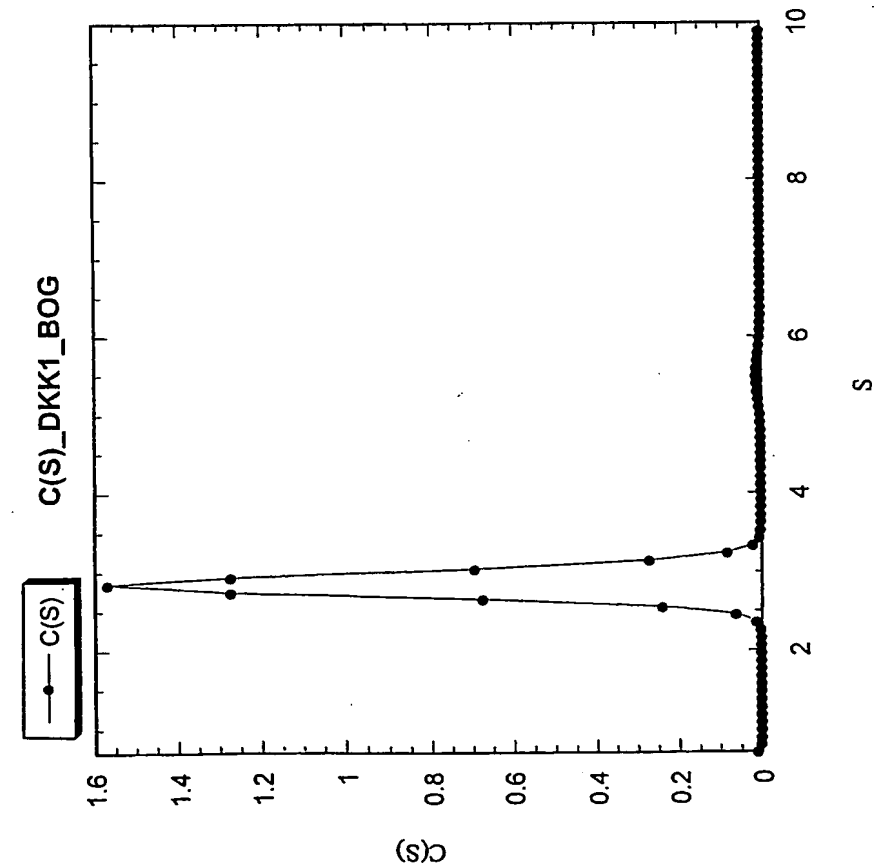


FIG. 14A

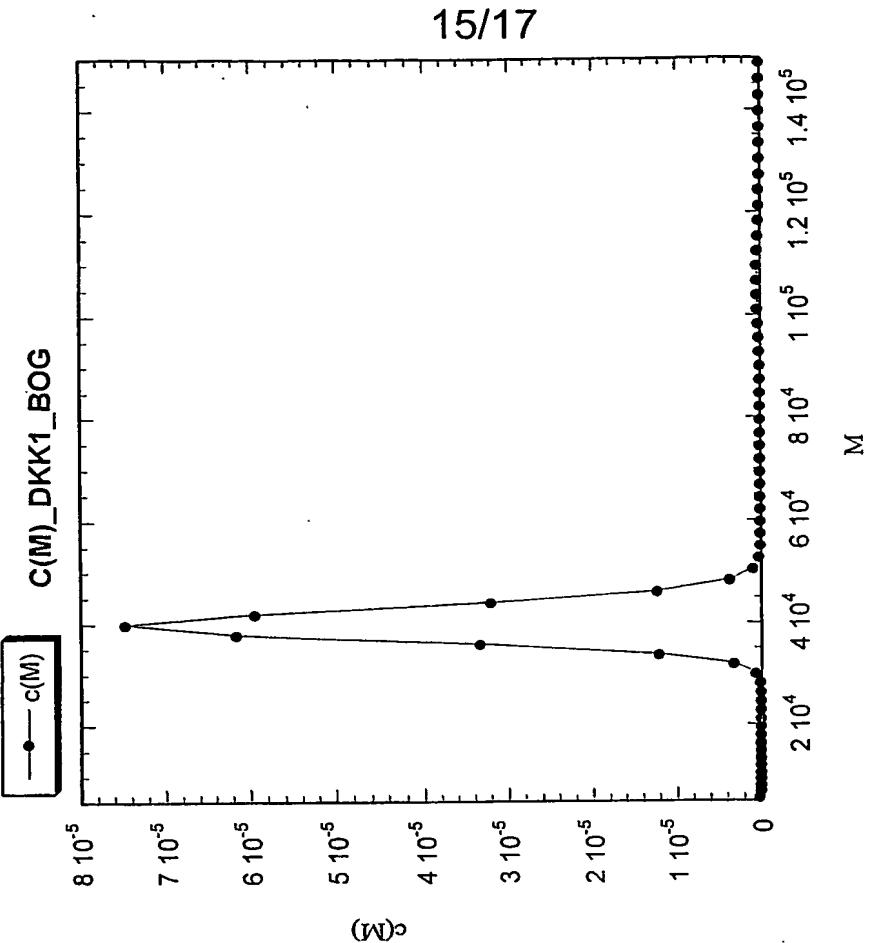


FIG. 14B

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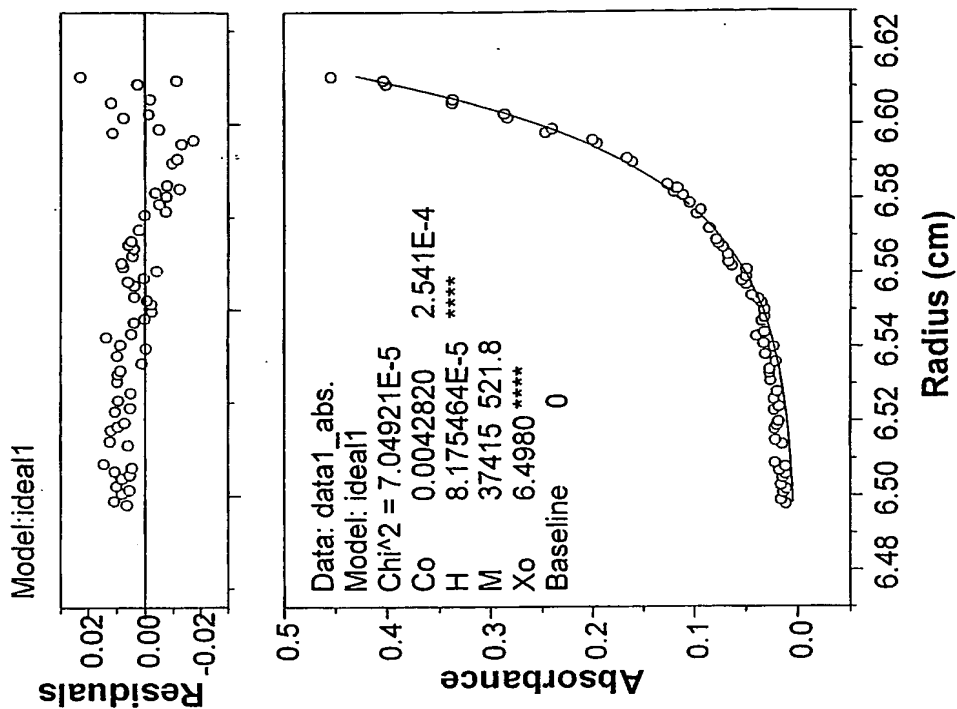


FIG. 14D

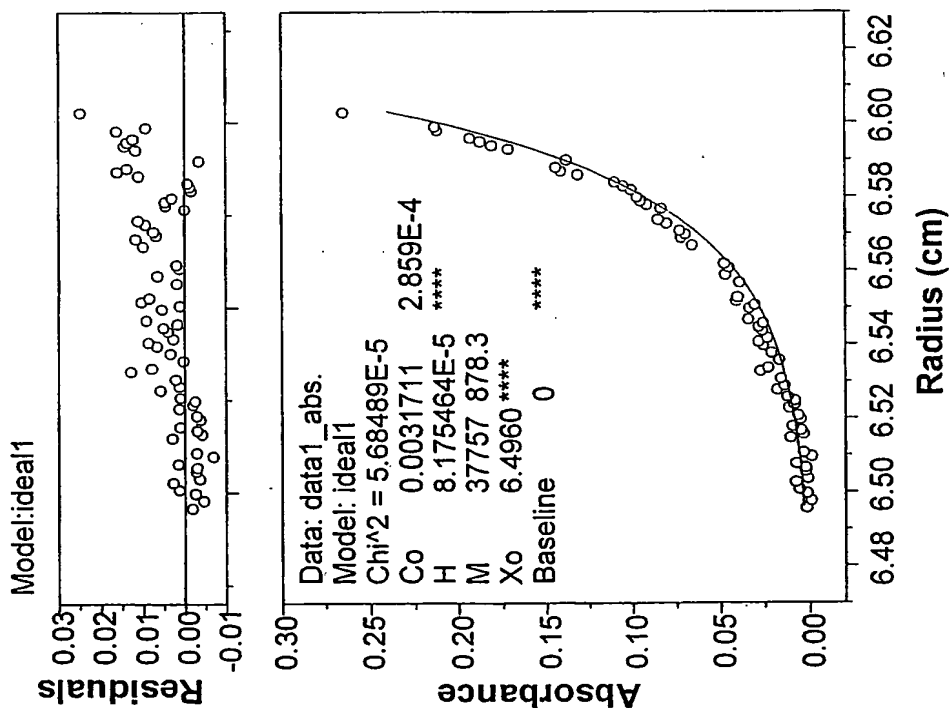


FIG. 14C

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ATGATGGCTCTGGGCGCAGCGGGAGCTACCCGGGTCTTTGTCGCGATGGTAGCGGCGGCTC
TCGGCGGCCACCCCTCTGCTGGGAGTGAGCGCCACCTTGAACTCGGTTCTCAATTCACACGC
TATCAAGAACCTGCCCCACCGCTGGGCGGCGCTGCGGGGCACCCAGGCTCTGCAGTCAGC
GCCGCGCCGGGAATCCTGTACCCGGGCGGGAATAAGTACCAGACCATTGACAACCTACCAGC
CGTACCCGTGCGCAGAGGACGAGGAGTGCGGCACTGATGAGTACTGCGCTAGTCCCACCCG
CGGAGGGGACGCGGGCGTGCAAATCTGTCTCGCCTGCAGGAAGCGCCGAAAACGCTGCATG
CGTCACGCTATGTGCTGCCCCGGGAATTACTGCAAAAATGGAATATGTGTGTCTTCTGATC
AAAATCATTTCCGAGGAGAAATTGAGGAAACCATCACTGAAAGCTTTGGTAATGATCATAG
CACCTTGGATGGGTATTCCAGAAGAACCACCTTGTCTTCAAAAATGTATCACACCAAAGGA
CAAGAAGGTTCTGTTTGTCTCCGGTCATCAGACTGTGCCTCAGGATTGTGTTGTGCTAGAC
ACTTCTGGTCCAAGATCTGTAAACCTGTCCTGAAAGAAGGTCAAGTGTGTACCAAGCATAG
GAGAAAAGGCTCTCATGGACTAGAAATATTCCAGCGTTGTTACTGTGGAGAAGGTCTGTCT
TGCCGGATACAGAAAGATCACCATCAAGCCAGTAATTCTTCTAGGCTTCACACTTGTGAGA
GACACTCTAGAGGGGCCCTTCGAACAAAAACTCATCTCAGAAGAGGATCTGAATATGCATAC
CGGTCATCATCACCATCACCATTGA

FIG. 15A

MMALGAAGATRVFVAMVAAALGGHPLLGVSATLNSVLNSNAIKNLPPPLGGAAGHPGSAVS
AAPGILYPGGNKYQTIDNYQPYPCAEEDEECGTDEYCASPTRGGDAGVQICLACRKRRCM
RHAMCCPGNYCKNGICVSSDQNHFRGEIEETITESFGNDHSTLDGYSRRTTLSSKMYHTKG
QEGSVCLRSSDCASGLCCARHFWSKICKPVLKEGQVCTKHRRKGSHGLEIFQRCYCGEGLS
CRIQKDHQASNSSRLHTCQRHSRGPFEEQKLISEEDLNMHTGHHHHHH

FIG. 15B

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